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=> s (organohydrogensiloxane? or methylhydrogensiloxane?)

157 ORGANOHYDROGENSILOXANE?

494 METHYLHYDROGENSILOXANE?

L1 633 (ORGANOHYDROGENSILOXANE? OR METHYLHYDROGENSILOXANE?)

=> s l1 and acid? (2a) catalyst

5080071 ACID?

761905 CATALYST

759554 CATALYSTS

973311 CATALYST

(CATALYST OR CATALYSTS)

83617 ACID? (2A) CATALYST

53 L1 AND ACID? (2A) CATALYST

=> s l2 and (dodecylbenzenesulfphonic acid or dodecylbenzenesulfonic acid)

0 DODECYLBENZENESULFPHONIC

4366077 ACID

L2

L3

1572766 ACIDS

4863877 ACID

(ACID OR ACIDS)

O DODECYLBENZENESULFPHONIC ACID

(DODECYLBENZENESULFPHONIC (W) ACID)

3547 DODECYLBENZENESULFONIC

4366077 ACID

1572766 ACIDS

4863877 ACID

(ACID OR ACIDS)

3529 DODECYLBENZENESULFONIC ACID

(DODECYLBENZENESULFONIC (W) ACID)

1 L2 AND (DODECYLBENZENESULFPHONIC ACID OR DODECYLBENZENESULFONIC ACID)

=> s 13 ibib ab MISSING OPERATOR L3 IBIB The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> d 13 ibib ab

ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:58217 CAPLUS

DOCUMENT NUMBER: 142:135191

TITLE: Process for preparing cyclic

organohydrogensiloxanes

Richard, Taylor; Robert, Phillips INVENTOR(S): PATENT ASSIGNEE(S): Dow Corning Corporation, USA

SOURCE: PCT Int. Appl., 10 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION: DATENT NO

P.	PATENT NO.						D :	DATE		APPLICATION NO.					DATE			
	WO 2005005441 WO 2005005441									WO 2004-EP7805					20040702			
		W:	AE, CN, GE, LK, NO, TJ, BW, AZ, EE, SI,	AG, CO, GH, LR, NZ, TM, GH, BY,	AL, CR, GM, LS, OM, TN, GM, KG, FI,	AM, CU, HR, LT, PG, TR, KE, KZ,	AT, CZ, HU, LU, PH, TT, LS, MD, GB,	AU, DE, ID, LV, PL, TZ, MW, RU, GR,	AZ, DK, IL, MA, PT, UA, MZ, TJ, HU,	DM, IN, MD, RO, UG, NA, TM, IE,	DZ IS MG RU US SD AT IT	, BG, , EC, , JP, , MK, , SC, , UZ, , SL, , BE, , LU, , GA,	EE, KE, MN, SD, VC, SZ, BG, MC,	EG, KG, MW, SE, VN, TZ, CH, NL,	ES, KP, MX, SG, YU, UG, CY, PL,	FI, KR, MZ, SK, ZA, ZM, CZ, PT,	GB, KZ, NA, SL, ZM, ZW, DE, RO,	GD, LC, NI, SY, ZW AM, DK, SE,
E	EP 1648907					A2	2 20060426			EP 2004-763219				20040702				
E	P 1648907 ´				В1		2006								_	0010	. • •	
		18200	IE, 015	SI,	FI,	RO, A	CY,	TR, 2006	BG, 0816	CZ,	EE CN 2	, IT, , HU, 2004-	PL, 8001	SK 9714		2	MC, 0040 0040	702
A'	BR 2004012505 AT 345348 US 2006173202					T	20061215			BR 2004-12505 AT 2004-763219 US 2006-559956						2	0040 0040 0060	702
PRIORI'	IORITY APPLN. INFO.:									Ţ	GB :	2003 - 1 2004 - 1	1626 EP78	8 05	1	A 2 W 2	0030 0040	711

A process for preparing cyclic organohydrogensiloxanes comprises: AB (A) contacting a silane of the formula RHSiCl2, where R is selected from alkyl radicals having 1 to 12 carbon atoms and aryl radicals, with water to form a hydrolyzate comprising cyclic organohydrogensiloxanes and linear organohydrogensiloxanes, and (B) contacting the hydrolyzate with an acidic rearrangement catalyst in the presence of an inert liquid diluent to increase the ratio of the cyclic organohydrogensiloxanes to linear organohydrogensiloxanes in the hydrolyzate. The acidic rearrangement catalyst is an organic compound containing a strong acid group, for example a sulfonic acid,

which is dissolved in the inert diluent present. Thus, cyclic methylhydrogensiloxane was prepared by hydrolyzing methyldichlorosilane with water using dodecylbenzenesulfonic acid as an acidic rearrangement catalyst.

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